



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/21046

				
IPC(7)	SSIFICATION OF SUBJECT MATTER : F02D 31/00, 41/06			
US CL	: 123/491,352			
	International Patent Classification (IPC) or to both na	itional classification and IPC		
B. FIEL	DS SEARCHED			
	cumentation searched (classification system followed be 23/2, 491, 352, 685, 686, 687; 290/51	by classification symbols)		
Documentation	on searched other than minimum documentation to the	extent that such documents are included in	the fields searched	
Electronic da	ta base consulted during the international search (name	e of data base and, where practicable, sear	ch terms used)	
	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.	
Y	US 2002/0078922 Å1(MIZUKI) 27 June 2002 (27.0)	6.2002), See entire document.	1-20	
Y	US 2002/0011238 A1 (YOMOGIDA) 21 January 20	02 (31.01.2002), See entire document.	1-20	
Y	US 5,199,400 A (SPRENGER et al) 06 April 1993 ((06.04.1993), See entire document.	1-20	
Y	US 5,890,467 A (ROMZEK) 06 April 1999 (06.04.1999), See entire document.		1-20	
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	documents are listed in the continuation of Box C.	See patent family annex.		
•	pecial categories of cited documents:	"T" later document published after the inter date and not in conflict with the applica-	ation but cited to understand the	
	defining the general state of the art which is not considered to be lar relevance	principle or theory underlying the inve		
"R" carlier ap	"I" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive standard to the document is taken along			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination		
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the		
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Date of the actual completion of the international search		Date of mailing of the international search Authorized officer Sharm M. /	APR 2004	
28 February 2004 (28.02.2004)				
Name and mailing address of the ISA/US		Authorized officer Sharon W. Meere for		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Erick R Solis		
P.O.	. Box 1450	Telephone No. (703) 309 0961	į	
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Telephone No. (703) 308-0861			·	

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Y	US 4,625,123 A (GILLETT et al) 25 November 1986 (25.11.1986), See entire document.	1-20
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